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Docket No. N1085-00251
 Inventors: Yung-Cheng Chen et al.
 "Control Of Exposure Energy On A Substrate"
 Sheet 1 of 8

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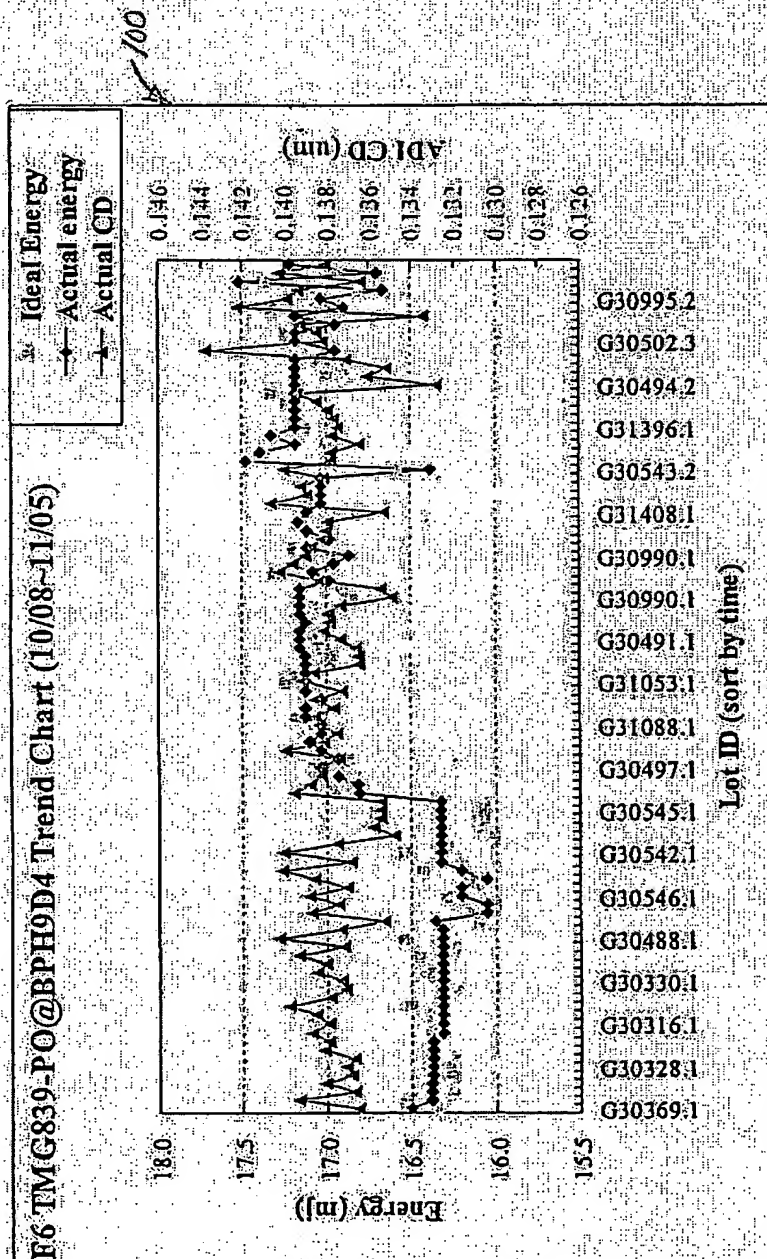
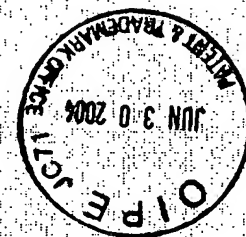


FIG. 1



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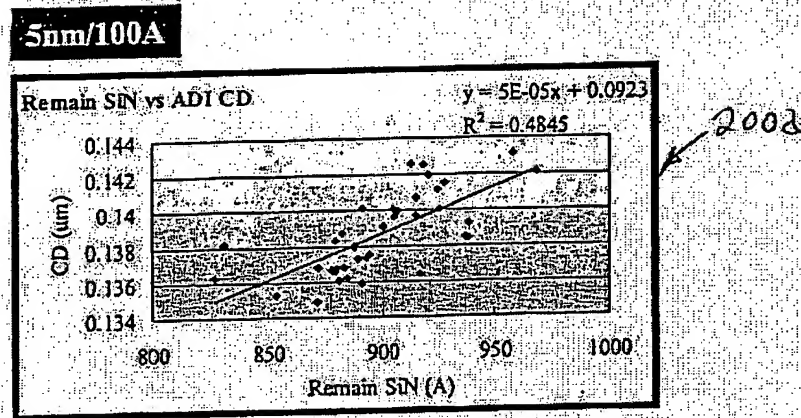


FIG. 2A

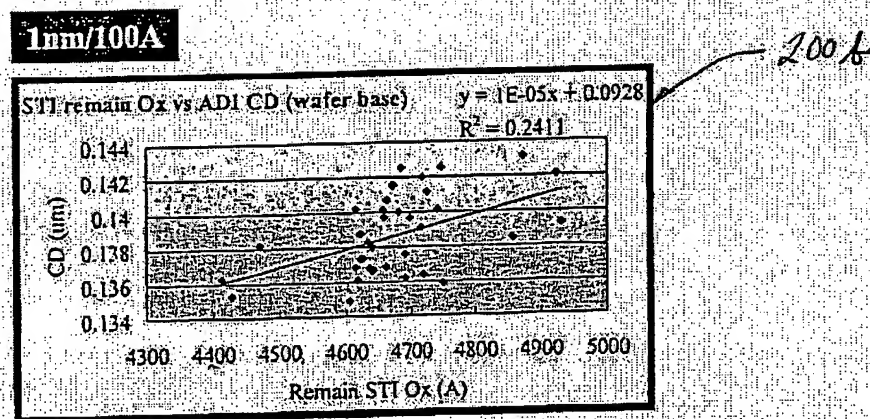


FIG. 2B

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$$CD = 5 \times 10^{-3} \cdot SiN + 0.0939$$

$$(CD - CD_{avg}) = 5 \times 10^{-3} (SiN - SiN_{avg})$$

$$(CD - 0.138) = 5 \times 10^{-3} (SiN - 882)$$

$$\Delta E_T = 1.5 \times 10^{-3} (SiN - 882)$$

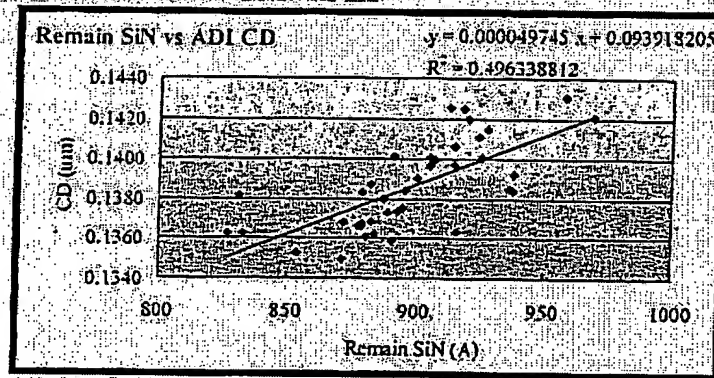


FIG. 3

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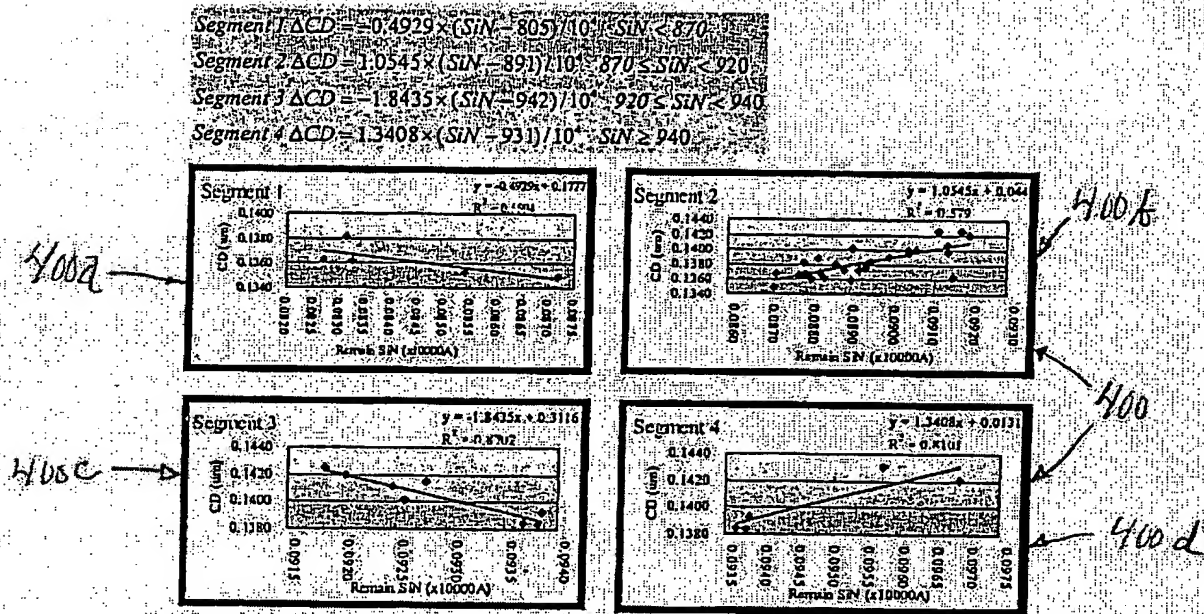


FIG. 4

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$$CD = -35485.98743 \times SiN^3 + 9437.96146 \times SiN^2 \\ - 835.46149 \times SiN + 24.75252$$

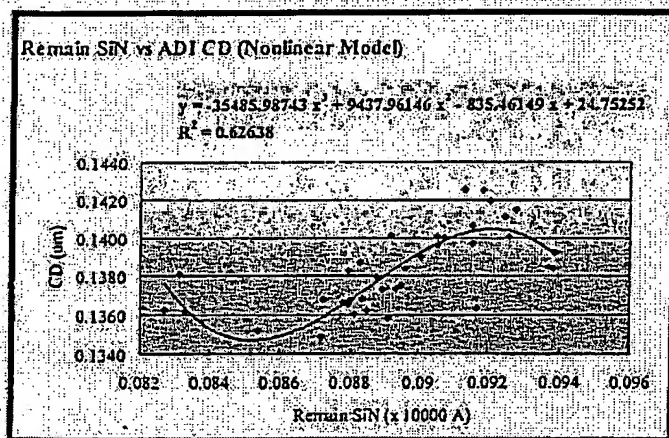


FIG. 5

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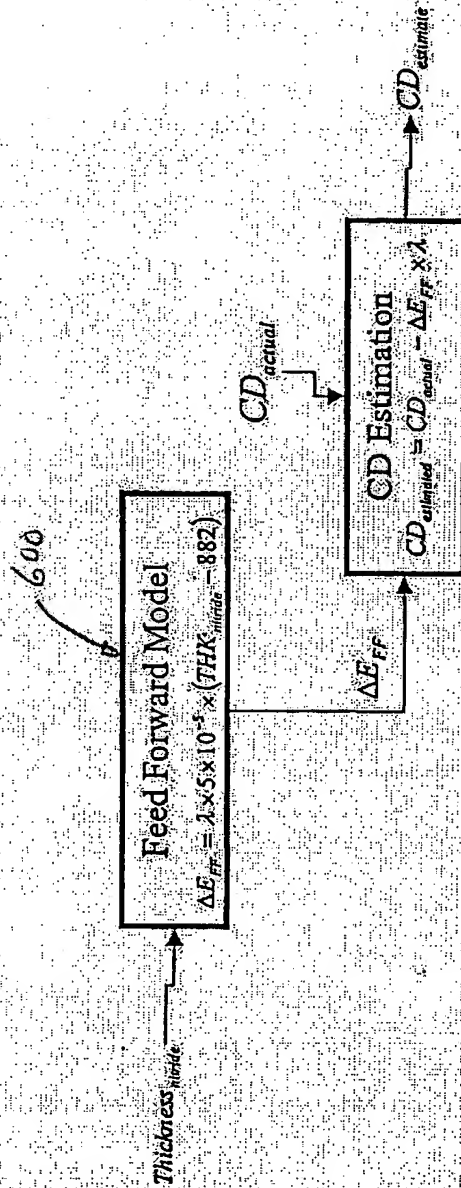


FIG. 6

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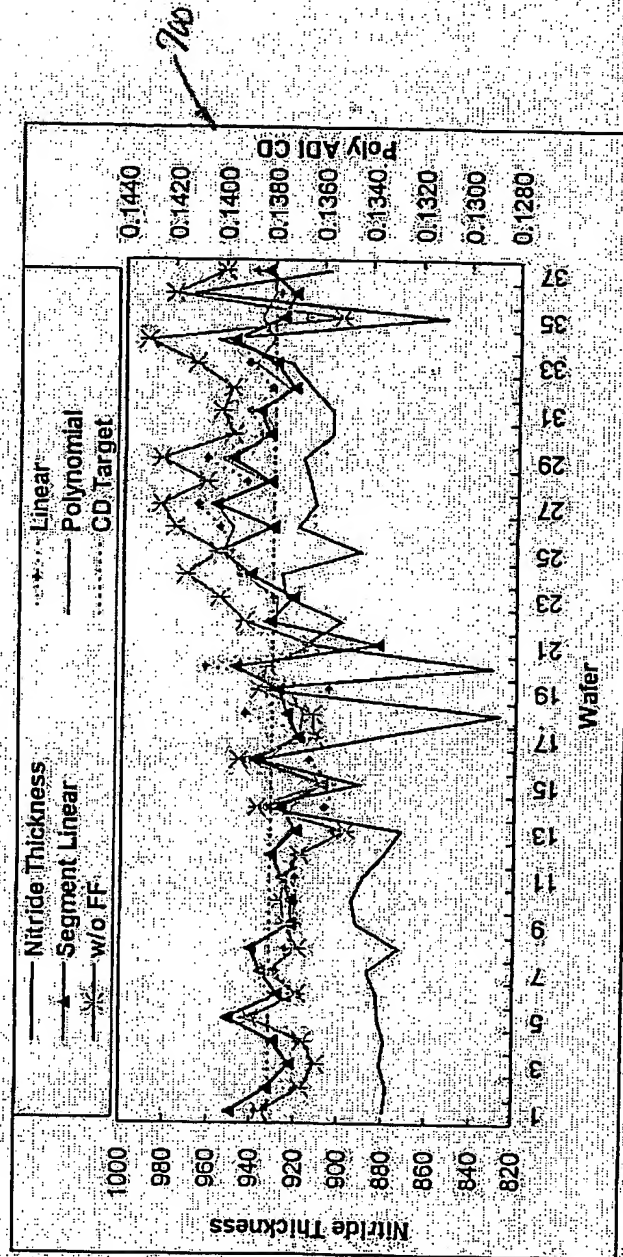


FIG. 7



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F(5)